

SILICONE RELEASE COATING COMPOSITIONS

[0001] This application is a divisional of U.S. Patent
5 Application No. 09/614,471, filed July 11, 2000. ^{now abandoned}

[0002] This invention relates to a novel branched
siloxane and also to silicone based release coating
compositions and release modifier compositions containing
the aforementioned branched siloxane.

10 [0003] Silicone based release coatings are useful in
applications where relatively non-adhesive surfaces are
required. Single sided liners, for example, backing papers
for pressure sensitive adhesive labels, are usually adapted
to temporarily retain the labels without affecting the
15 adhesive properties of the labels. Double sided liners for
example, interleaving papers for double sided and transfer
tapes, are utilised to ensure the protection and desired
unwind characteristics of a double sided self-adhesive tape
or adhesive film.

20 [0004] A substrate, for example a single sided liner, is
coated by applying a silicone based release coating
composition onto the substrate and subsequently curing the
composition, by, for example, thermally initiated
hydrosilylation.

25 [0005] The basic constituents of silicone based release
coating compositions which are cured by hydrosilylation
are:-

- 1) an alkenylated polydiorganosiloxane, typically a linear
polymer with terminal alkenyl groups,
- 30 2) a polyorganohydrogensiloxane cross-linking agent,
designed to cross-link the alkenylated polydiorganosiloxane
and

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